

## TIME-GATED IMAGING WITH A SPLIT-BEAM SOURCE

### Abstract

An imaging apparatus includes an electromagnetic pulse source, a beam splitter,  
5 an X-ray source, and a time gate. The electromagnetic pulse source generates pulses.  
The beam splitter splits a pulse into a first portion and a second portion. The X-ray  
source generates a beam in response to the first pulse portion, the beam directed toward  
an object for generating an object image. The time gate captures an object image in  
response to the second pulse portion. A related method apart from the apparatus  
10 performs the above steps.

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